

Certifications and standards

Product certifications	BV CSA Det Norske Veritas GL Lloyd s Register of Shipping UL
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Connections

Connections - terminals	Screw type terminals 1 0.14 - 2.5 mm ² 26...14 flexible without cable end Screw type terminals 1 0.09 - 1.5 mm ² 28...16 flexible with cable end Screw type terminals 1 0.14 - 2.5 mm ² 26...12 solid Screw type terminals 2 0.09 - 0.75 mm ² 28...20 flexible with cable end Screw type terminals 2 0.2 - 2.5 mm ² 24...14 solid
Terminal block type	Removable

Electrical

[Ui] rated insulation voltage	2000 V
[Uimp] rated impulse withstand voltage	2.5 kV IEC 60947-1
[Us] rated supply voltage	24 V DC PLC end
Current per channel	5 A preactuator end
Current per output common	<=10 A
Drop-out current	1 mA 20 °C
Drop-out voltage	2.4 V 20 °C PLC end
Maximum switching voltage	250 V AC 50/60 Hz IEC 60947-5-1 30 V DC IEC 60947-5-1
Minimum switching current	10 mA >= 5 V
Polarity distribution	Volt-free
Power dissipation per channel in W	<= 0.36 W PLC end
Short circuit protection	1 A internal fuse 5 x 20 mm fast blow PLC end Adjustable by external fuse high breaking capacity preactuator end
Supply voltage limits	<= 30 V DC PLC end
Threshold tripping voltage	19.7 V 40 °C

Environment

IP degree of protection	IP2x IEC 60529
Ambient air temperature for operation	-5 - 60 °C IEC 61131-2
Ambient air temperature for storage	-40 - 80 °C IEC 61131-2
Dielectric strength	2000 V IEC 60947-1
Max immunity to microbreaks	<=5 ms
Pollution degree	2 IEC 60664-1
Protective treatment	TC
Resistance to electrostatic discharge	8 kV air level 3 IEC 61000-4-2 4 kV contact level 3 IEC 61000-4-2
Resistance to fast transients	2 kV level 3 IEC 61000-4-4

Resistance to incandescent wire	750 °C < 30 s IEC 60695-2-11
Resistance to radiated fields	10 V/m level 3 26000000 - 1000000000 Hz IEC 61000-4-3
Shock resistance	15 gn 11 ms IEC 60068-2-27
Vibration resistance	2 gn IEC 60068-2-6 10 - 150 Hz

Functional

Contact bounce time	<= 5 ms 1 NO
Contacts type and composition	1 NO preactuator end
Number of terminal per channel	2
Operating rate in Hz	10 Hz no load 0.5 Hz at le

Installation

Fixing mode	By clips 35 mm symmetrical DIN rail By screws solid plate with fixing kit
Installation category	II IEC 60664-1

Performance

Electrical durability	500000 cycles 1500 mA 24 V DC-12 preactuator end 500000 cycles 600 mA 24 V DC-13 10 ms preactuator end 500000 cycles 1500 mA 230 V AC-12 preactuator end 500000 cycles 900 mA 230 V AC-15 preactuator end
Electrical reliability	0.00000001
Mechanical durability	20000000 cycles
Operating time	<= 10 ms coil energisation and NO closing <= 5 ms coil de-energisation and NO opening
Switching frequency	<= 0.5 Hz <= 10 Hz

Physical characteristics

Product weight	0.405 kg
Tightening torque	0.6 N.m flat Ø 3.5 mm
Width	206 mm

Product identification

Number of channels	16
Product or component type	Electromechanical output relay sub-base
Range of product	Advantys Telefast ABE7

Complementary description

Long description	BAS REL EM W10 16O 1C
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Main characteristics

Brand	Telemecanique
Commercial Reference field	ABE7R16S210
Common description	BAS REL EM W10 16O 1C
Current cross distribution chain status	08 - Commercialised
EAN Number	3389110545289
Short description	BAS REL EM W10 16O 1C

Logistic

Basic packaging quantity	1
Minimum sales order quantity	1

Management information

Effect. date next global CDC	02/03/20
Product part number	ABE7R16S210

Reporting

Department code	Low End Control
Domain	AUTOMATION
Internal Domain Code	AC
Product Line	ILEC0
Strategic Product Family	TBD

Weight and dimensions

First packaging gross height	0.08 m
First packaging gross weight	0.58 kg
First packaging gross width	0.067 m
First packaging gross length	0.212 m